



University and Fourth roadway improvements

Minneapolis Bicycle Advisory Committee Engineering Subcommittee – June 15, 2021

Hennepin County



Introductions

- **Project team**

- Hennepin County
 - Kelly Agosto - project manager
- Design team
 - Steve Weser – design consultant project manager



Project status update



- Previous outreach
- Agency coordination and goals
- Engagement phase 2 – alternatives
- Constraints / challenges

Design decisions



- Number of travel lanes
- Partial reconstruction planned
- Preference for street level curb separated bike facility
- Avoid features in right-of-way (mature trees, historic fence/wall)
- Transit and pedestrian improvements

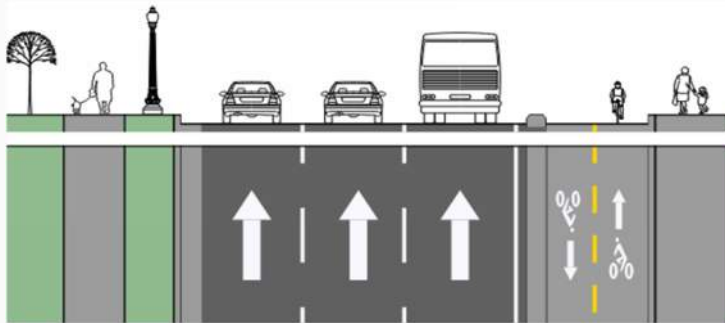


Layout A (two-way bikeway on University Ave)

- Conceptual, not engineered yet
- Two-way curb separated bike facility on University Avenue - 10th Ave to Oak St
- One-way buffered bike lane on 4th Street - minimal approach
- Partial construction focused on one side
 - Utilize existing infrastructure along each street where appropriate
- Limited opportunity for above ground stormwater management, enhanced buffer space, and green space

Layout A

- University Ave – west of 17th Ave / Church St

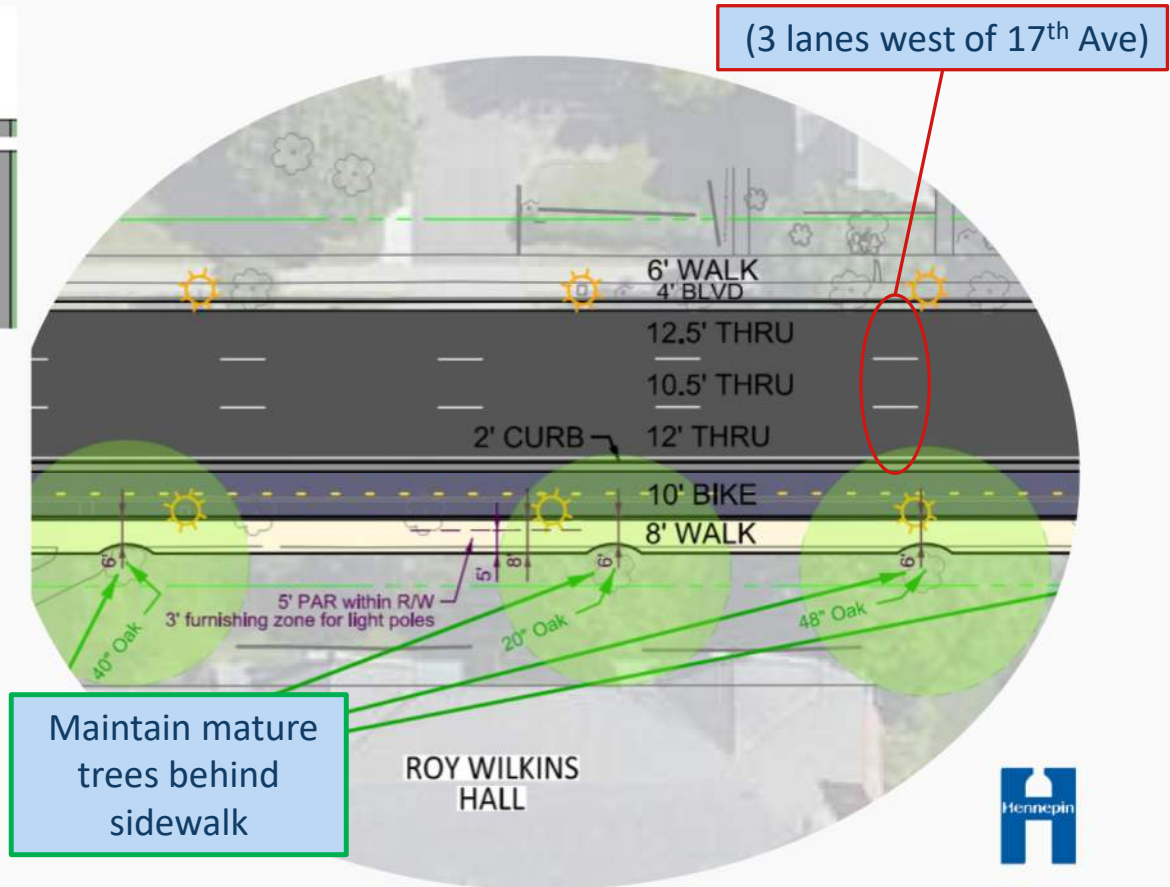


typical section



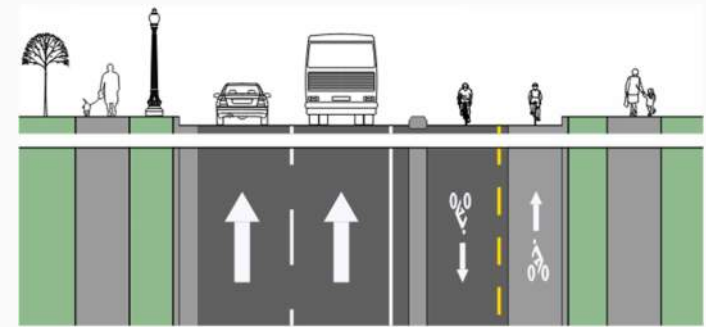
example photo

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Layout A

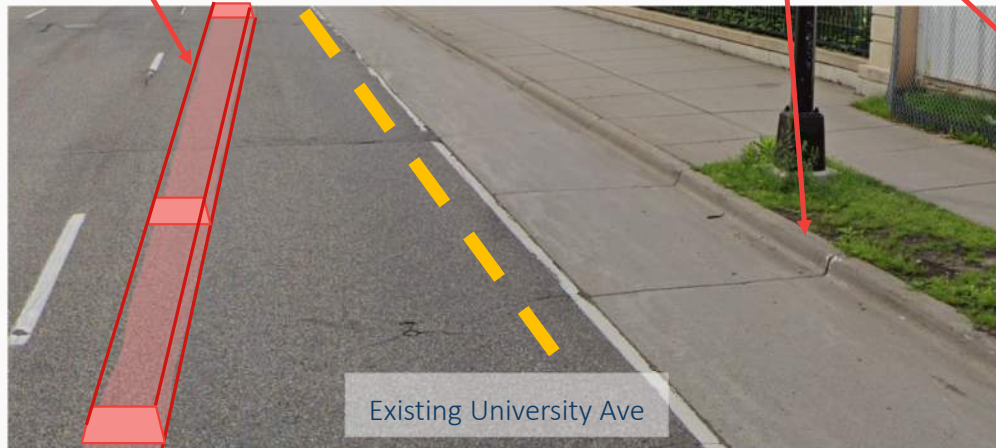
- University Ave – east of 17th Ave / Church St



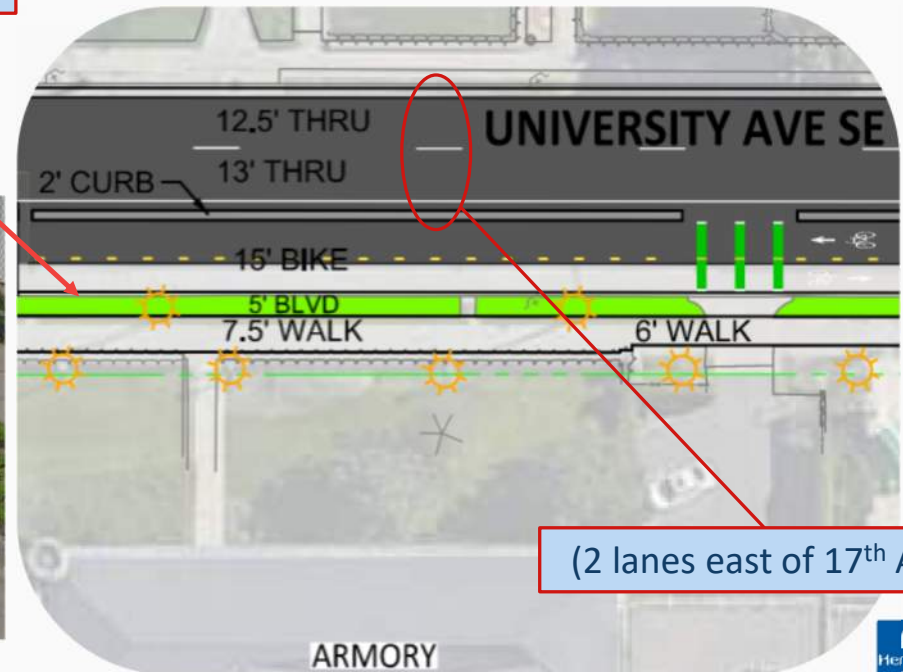
typical section

Maintain existing curb line

Add buffer curb



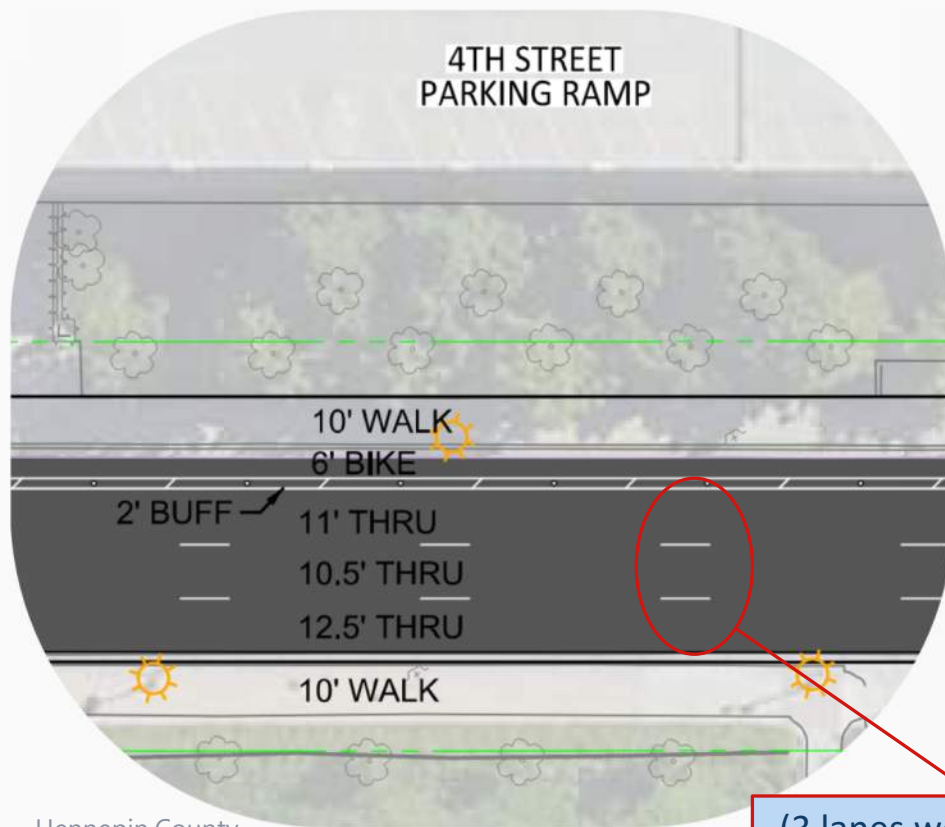
Existing University Ave



(2 lanes east of 17th Ave)

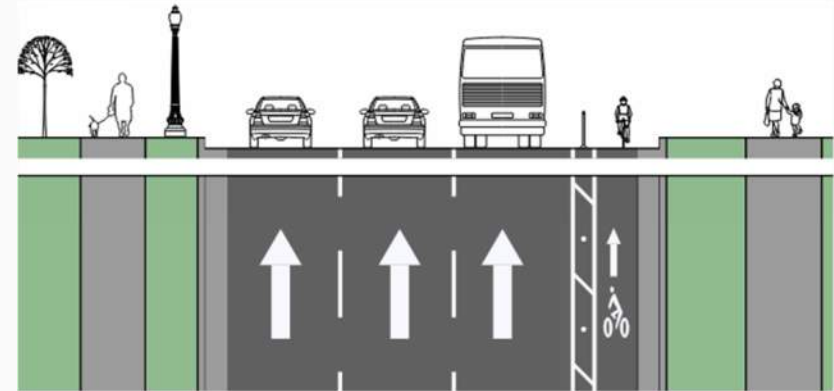
Layout A

- 4th Street – west of 17th Ave



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(3 lanes west of 17th Ave)



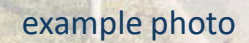
typical section



example photo

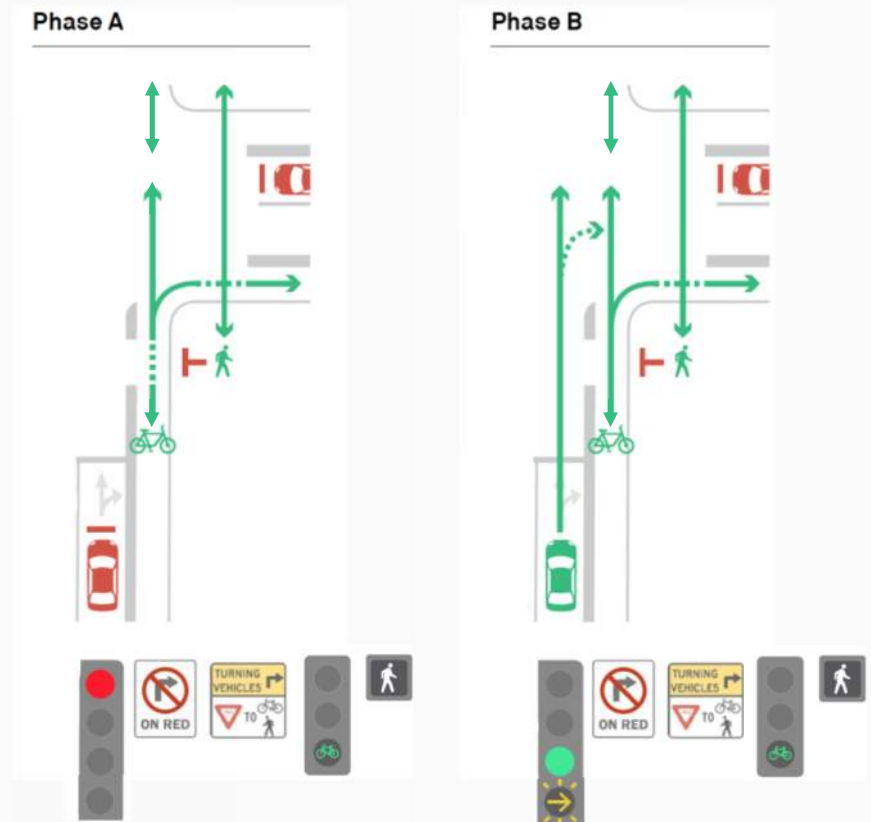


- 4th Street – east of 17th Ave



Bike signal phasing

- Leading interval for bikes and pedestrians (4 seconds)
 - Vehicle and bike volume peaks do not coincide
- “NO TURN ON RED” signs
 - Minimizes conflicts with contraflow bikers



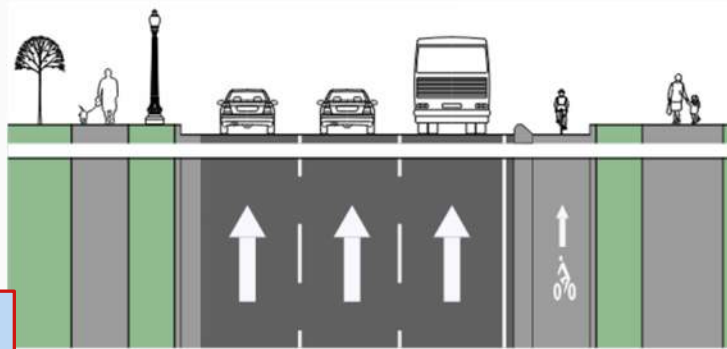


Layout B (one-way bike facilities on each street)

- Conceptual, not engineered yet
- One-way buffered bike lane on University Ave and 4th Street
- Partial construction focused on one side
 - Utilize existing infrastructure along each street where appropriate
- Slightly more area for above ground stormwater management, enhanced buffer space, and green space

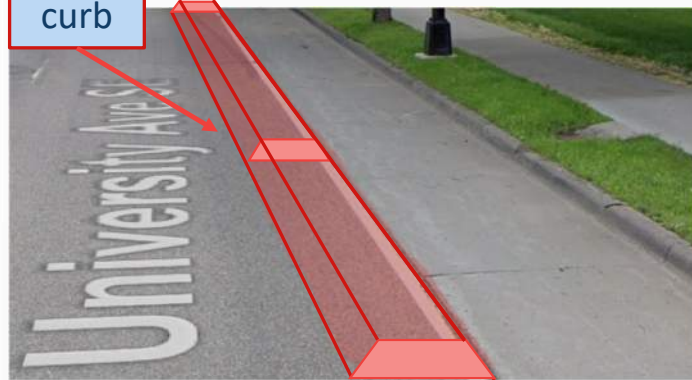
Layout B

- University Ave – west of 17th Ave / Church St

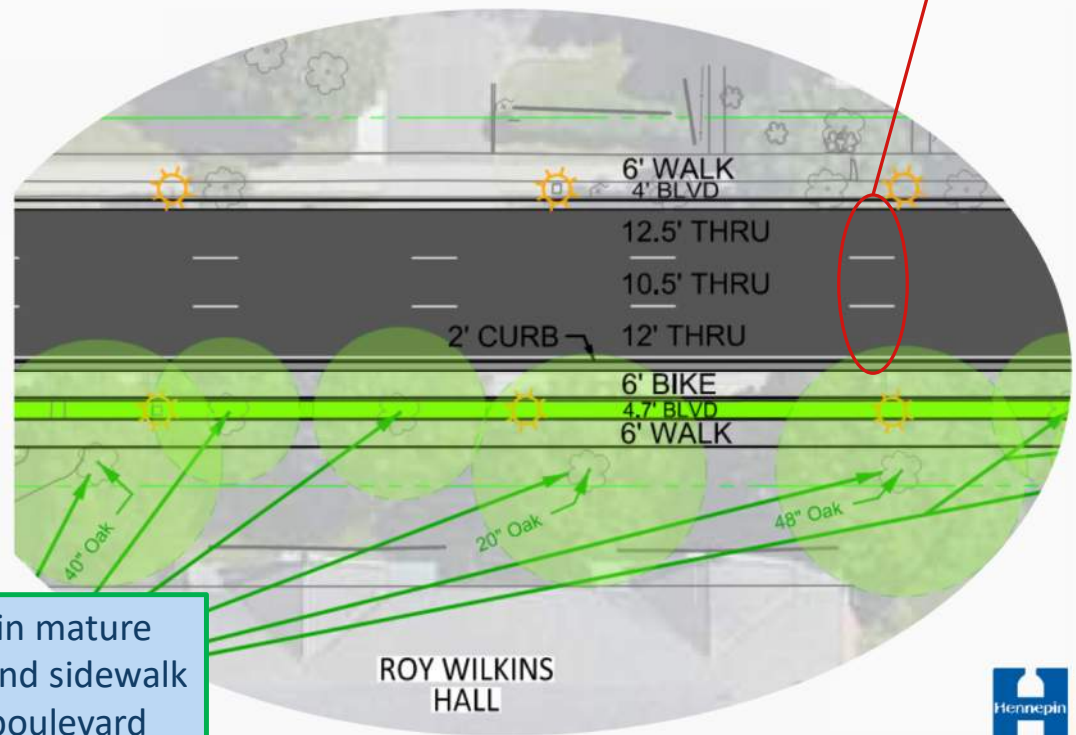


typical section

Add
buffer
curb



Existing University Ave
Hennepin County



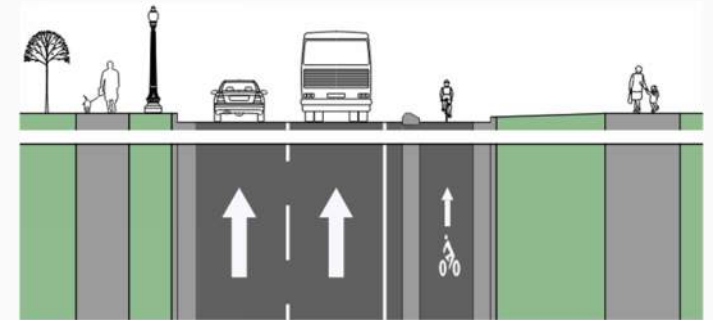
(3 lanes west of 17th Ave)

Maintain mature
trees behind sidewalk
and in boulevard



Layout B

- University Ave – east of 17th Ave / Church St

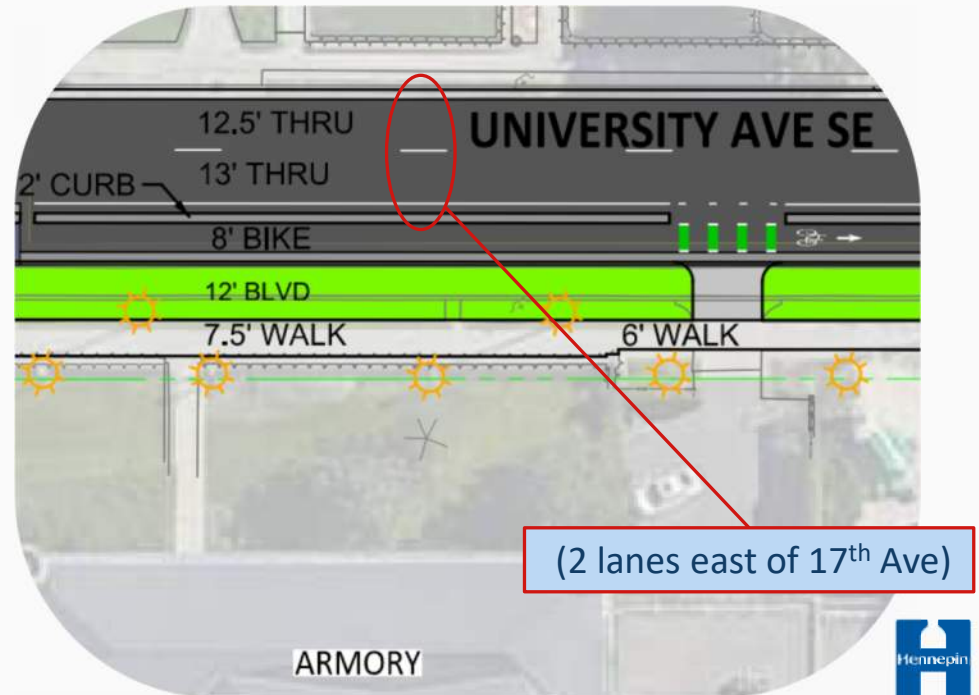


typical section



example photo

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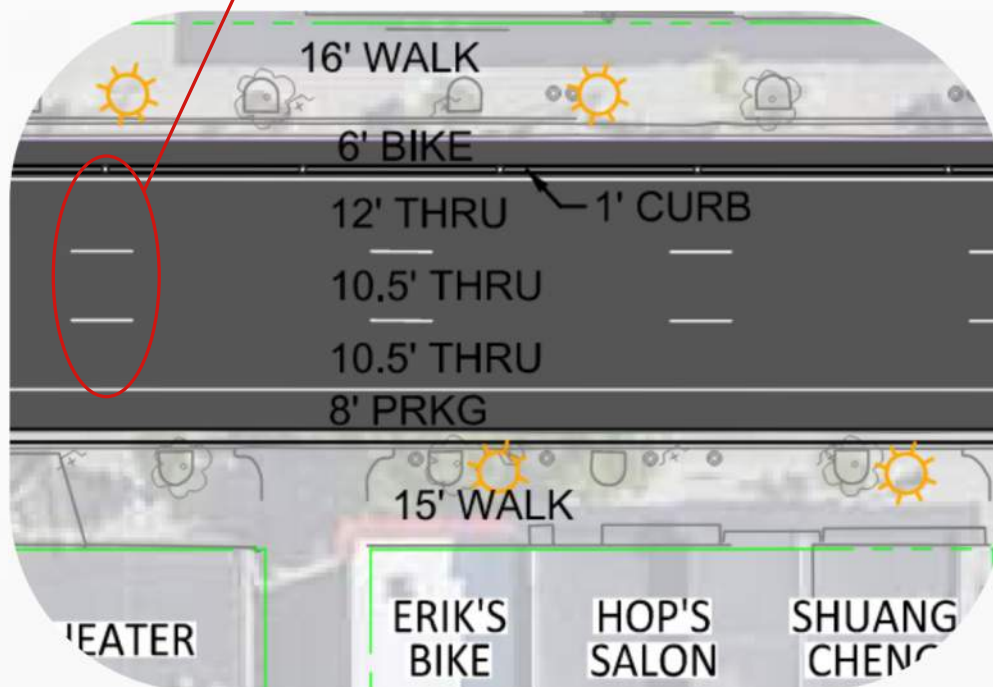
(2 lanes east of 17th Ave)



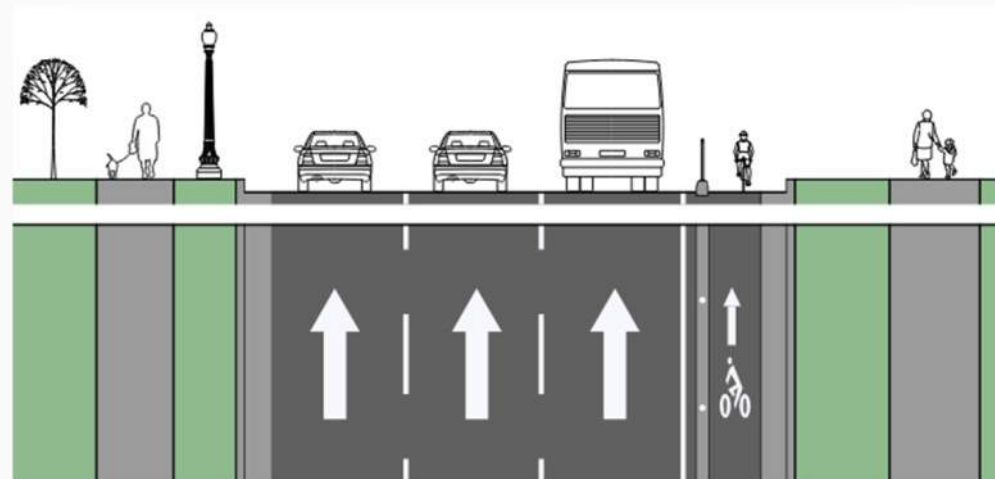
Layout B

- 4th St – west of 17th Ave

(3 lanes west of 17th Ave)



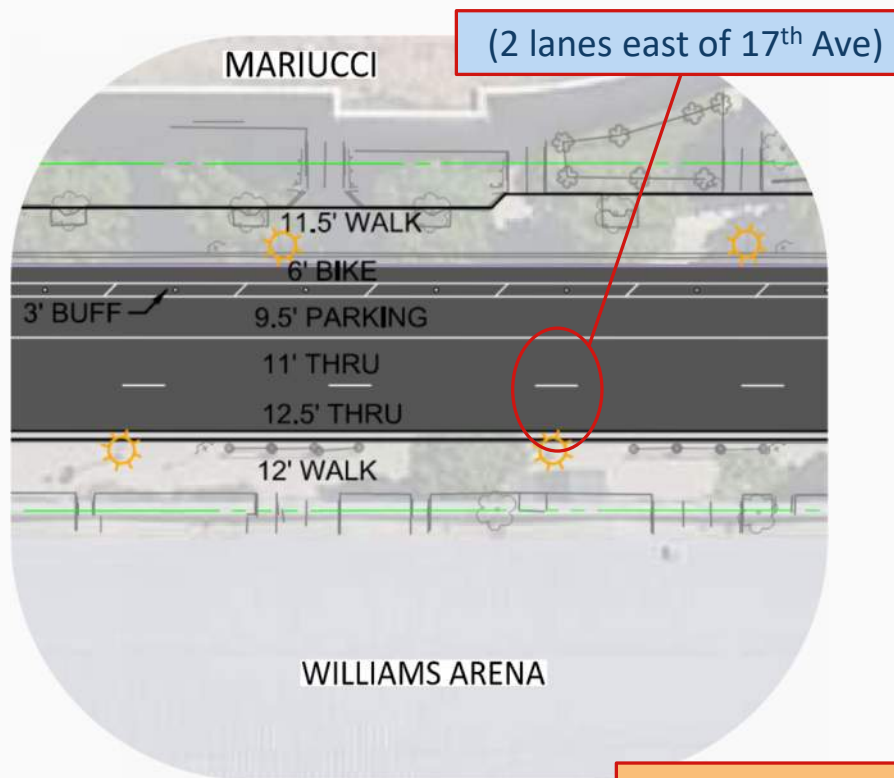
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typical section

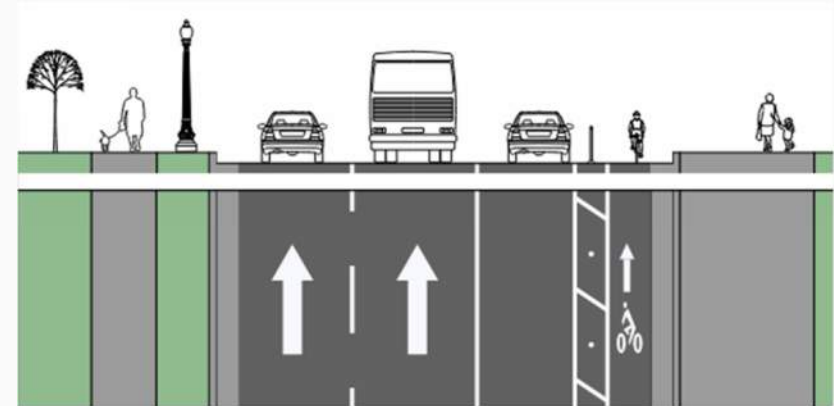
Layout B

- 4th St – east of 17th Ave



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**IDENTICAL TO LAYOUT A
IN THIS SEGMENT**



typical section



Next steps

- Public feedback
 - Online open house – June 2021
- Stakeholder outreach
- Preferred layout
- Municipal consent – August 2021
- Final design – complete June 2022
- Construction - 2023



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Hennepin County



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universityandfourth](http://hennepin.us/universityandfourth)



Discussion and questions ?

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